COMPLETE LISTING OF THE CLAIMS

The following lists all of the claims that are or were in the above-identified patent application.

- 1. (Currently Amended) A device comprising:
- a sub-mount;
- a die including a sensor that is electrically connected to the sub-mount;
- a cap attached to the sub-mount so as to form a cavity enclosing the die; and
- an alignment post attached to the cap, wherein the alignment post is glued to a

surface of the cap through which along an optical path to the sensor passes.

- 2. (Original) The device of claim 1, further comprising a sleeve having a bore sized to accommodate the alignment post at a first end of the bore and an optical fiber connector at a second end of the bore.
- 3. (Currently Amended) The device of claim 1, wherein the die is attached to the sub-mount so that a front face of the die is adjacent to the sub-mount.
- 4. (Currently Amended) The device of claim 3, further comprising a lens formed on a back face of the die, the lens focusing on a photosensitive area of the sensor.
- 5. (Original) The device of claim 1, further comprising a lens integrated into the cap between the alignment post and the photosensor.
- 6. (Original) The device of claim 1, wherein the sub-mount incorporates an active circuit that operates on an electrical output signal of the sensor.
- 7. (Original) The device of claim 6, wherein the active circuit comprises an amplifier.
- 8. (Original) The device of claim 1, wherein the cavity enclosing the die is hermetically sealed.
 - 9. (Original) The device of claim 1, wherein the sub-mount comprises: internal terminals that are within the cavity and electrically connected to the die;

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and

external terminals that are accessible outside the cavity and are electrically connected to the internal terminals.

- 10. (Original) The device of claim 9, further comprising a flexible circuit connected to the external terminals.
 - 11. (Currently Amended) A device comprising:
 - a sub-mount;
- a die including a sensor having a photosensitive area at a front face of the die, the die being attached to the sub-mount so that the front face of the die is adjacent to the sub-mount;
- a cap attached to the sub-mount so as to form a cavity enclosing the die, the cap permitting transmission of an optical signal into the cavity; and
- a lens on a back face of the die, the lens focusing the optical signal onto the photosensitive area of the sensor.
- 12. (Original) The device of claim 11, further comprising a post attached to the cap along an optical path to the photosensitive area of the sensor.
- 13. (Original) The device of claim 12, further comprising a sleeve having a bore sized to accommodate the alignment post at a first end of the bore and an optical fiber connector at a second end of the bore.
- 14. (Original) The device of claim 11, wherein the sub-mount incorporates an active circuit that operates on an electrical output signal of the sensor.
- 15. (Original) The device of claim 14, wherein the active circuit comprises an amplifier.
- 16. (Original) The device of claim 11, wherein the cavity enclosing the die is hermetically sealed.
 - 17. (Original) The device of claim 11, wherein the sub-mount comprises: internal terminals that are within the cavity and electrically connected to the die;

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and

external terminals that accessible outside the cavity and are electrically connected to the internal terminals.

- 18. (Original) The device of claim 17, further comprising a flexible circuit connected to the external terminals.
 - 19. (Original) A device comprising:
- a semiconductor sub-mount including an active circuit integrated into the semiconductor sub-mount;
 - a die including a photosensor that is electrically connected to the active circuit; and a cap attached to the sub-mount so as to form a cavity enclosing the die.
- 20. (Original) The device of claim 19, wherein the active circuit operates on an electrical output signal of the photosensor.
- 21. (Original) The device of claim 19, wherein the active circuit comprises an amplifier.
- 22. (Original) The device of claim 19, wherein the cavity enclosing the die is hermetically sealed.
- 23. (Original) The device of claim 19, wherein an optical signal enters the cavity through the cap.
- 24. (Original) The device of claim 19, wherein the sub-mount comprises: internal terminals that are within the cavity and electrically connected to the die; and

external terminals that are accessible outside the cavity and electrically connected to the internal terminals.

25. (Original) The device of claim 24, further comprising a flexible circuit connected to the external terminals.

Claims 26-34 (Canceled)

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- 35. (New) The device of claim 19, further comprising an alignment post glued to a surface of the cap, wherein an optical path to the photosensor passes through the surface to which the alignment post is glued.
- 36. (New) The device of claim 35, wherein the optical path passes through the alignment post.
- 37. (New) The device of claim 1, wherein the optical path passes through the alignment post.

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